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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,296	07/30/2003	John Graeme Pepin	EL0475 US CIP	9720
23906	7590 03/25/2005		EXAM	INER
	NT DE NEMOURS A	SAVAGE,	SAVAGE, JASON L	
LEGAL PATENT RECORDS CENTER BARLEY MILL PLAZA 25/1128 4417 LANCASTER PIKE WILMINGTON, DE 19805			ART UNIT	PAPER NUMBER
			1775	
			DATE MAH.ED: 03/25/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	PA .	· nt			
	Application No.	Applicant(s)			
0.55	10/630,296	PEPIN, JOHN GRAEME			
Office Action Summary	Examiner	Art Unit			
	Jason L Savage	1775			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with t	he correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	86(a). In no event, however, may a reply within the statutory minimum of thirty (30 vill apply and will expire SIX (6) MONTHS cause the application to become ABAND	be timely filed) days will be considered timely. from the mailing date of this communication. ONED (35 U.S.C. § 133).			
Status		:			
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) 4-9 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. ion is required if the drawing(s) in	See 37 CFR 1.85(a). s objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Appl rity documents have been rec u (PCT Rule 17.2(a)).	ication No ceived in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 11032003.		mary (PTO-413) ail Date mal Patent Application (PTO-152)			

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Claim Objections

Claims 4-9 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot depend from another multiple dependent claim. See MPEP § 608.01(n). Accordingly, the claims 4-9 not been further treated on the merits.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Topfer et al. (Translated Article: Preparation and Properties of Nd-Fe-B Thick Layers for Magnetic Standards).

Topfer teaches a composition for forming a magnetic thick film comprising magnetic particles of NdFeB dispersed in an organic medium containing a polymer epoxy resin and solvent (p. 3, "Screen Printing").

Regarding the limitation that the polymer be selected from polyurethane or phenoxy, although Topfer only recites the use of epoxy resin as the polymer in the magnetic composition, it would have been within the purview of one of ordinary skill in the art to have recognized that other polymer materials could be suitable for in the magnetic composition of Topfer with a reasonable expectation of success. The

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substitution of a phenoxy polymer for the epoxy of Topfer would have been an obvious choice given that both are similar chemically.

Topfer further teaches that the magnetic particles may be contained in the composition in an amount of 65% by weight (p. 4, "Results and Discussion") and as high as 90% by weight (p. 5, bottom of the page). Topfer also teaches that the composition may be applied to a substrate by a doctor blade, screen printing (p. 3, top) and roll milling (p. 5, bottom).

Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Topfer et al. (Translated Article: Preparation and Properties of Nd-Fe-B Thick Layers for Magnetic Standards) as evidenced by ISAMM'02 (Program of the ISAMM'02 International Symposium on Advanced Magnetic Materials) and Benz et al. (Article: High-Enegery-Product (Pr-Nd-Ce)FeB Magnets Produced Directly from Mixed-Rare-Earth-Oxide Feed for MRI Medical Imaging Applications).

Topfer teaches what is set forth above but is silent to the NdFeB magnetic material comprising other metals such as those claimed. However, it would have been within the purview of one of ordinary skill in the art to have recognized that additives of any metal that known to be suitable for use with NdFeB system materials could be employed in the magnetic composition of Topfer with a reasonable expectation of success. As evidenced by ISAMM'02 on pages 2 and 4, transition metals such as Co and Cr are known to be suitable for use with NdFeB system materials and as evidenced by Benz, it is know that Pr is suitable for use with NdFeB system materials and as such, the use of the claimed elements in the NdFeB system of Topfer would have been

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obvious. Furthermore, absent a teaching of the criticality of the additive metals, it would not provide a patentable distinction over the prior art.

It is well settled that the test of obviousness is not whether the features of one reference can be bodily incorporated into the structure of another and proper inquiry should not be limited to the specific structure shown by the references, but should be into the concepts fairly contained therein, and the overriding question to be determined is whether those concepts would suggest to one of ordinary skill in the art the modifications called for by the claims, In re Van Beckum, 169 USPQ 47 (CCPA 1971), In re Bozek, 163 USPQ 545 (CCPA 1969); In re Richman, 165 USPQ 509 (CCPA 1970); In re Henley, 112 USPQ 56 (CCPA 1956); In re Sneed, 218 USPQ 385 (Fed. Cir. 1983).

In response to the issue whether the reference is nonanalagous art, it has been held that the determination that a reference is from a nonanalogous art is twofold. First, one decides if the reference is within the field of the inventor's endeavor. If it is not, one proceeds to determine whether the reference is reasonably pertinent to the particular problem with which the inventor was involved, In re Wood, 202 USPQ 171, 174. In the instant case, all of the cited references of Topfer, ISAMM'02 and Benz are and Barrow are generally drawn to magnetic materials of the NdFeB system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason L Savage whose telephone number is 571-272-1542. The examiner can normally be reached on M-F 6:30-4:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Deborah Jones can be reached on 571-272-1535. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jason Savage

3-18-05

SUPERVISORY PATENT EXAMINER